

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Taya et al. Attorney Docket No. UNIV0216  
 Patent No: 7,104,056 Group Art Unit: 3748  
 Issued: September 12, 2006 Confirmation No: 1330  
 Title: DESIGN OF FERROMAGNETIC SHAPE MEMORY ALLOY COMPOSITES  
 AND ACTUATORS INCORPORATING SUCH MATERIALS

NOTIFICATION OF ERRORS

Bellevue, Washington 98004

January 11, 2007

## TO THE COMMISSIONER FOR PATENTS:

The following errors were found during a review of the above-referenced United States Letters Patent. These errors were either inadvertently made in the original application or occurred in the printing of the patent. Since the errors are of an obvious nature, a formal Certificate of Correction is not believed to be warranted at this time. Therefore, it is requested that this notification be placed in the U.S. Patent and Trademark Office file.

Location in PatentError

Column 13, line 31 "emphasis" should read --emphasize--

Column 13, line 63 after "indicates" delete "a"

Column 15, line 46 "an." should read "an"

Column 17, line 15  
 Equation (15) 
$$= \int_{R_0 A} \frac{E y^2}{2 r^2} (b d y) (r_0 \theta_i) + \int_{R_0 P_e} \frac{E y^2}{2 r^2} (b d y) (r d \theta)$$
 should read

$$= \int_{R_0 A} \frac{E y^2}{2 r_0^2} (b d y) (r_0 \theta_i) + \int_{R_0 P_e} \frac{E y^2}{2 r^2} b d y (r d \theta) --$$

Location in Patent

Column 17, line 20

Equation (15)

Column 17, line 56

Equation (17)

Column 21, line 14

Column 24, line 51

Column 24, line 65

Column 25, line 11

Column 25, line 15

Error

--  $\int_{r_0}^{r_1} \frac{E y^2}{2 r^2} (b dy) (r_0 \theta_1) = \frac{r_0 \theta_1 b E}{2 r_0^2} \int_{\frac{h}{2}}^{\frac{h}{2}} y^2 dy$  -- should read

--  $\int_{r_0}^{r_1} \frac{E y^2}{2 r^2} (b dy) (r_0 \theta_1) = \frac{r_0 \theta_1 b E}{2 r_0^2} \int_{\frac{h}{2}}^{\frac{h}{2}} y^2 dy$  --

--  $r = \frac{(\theta - \theta'_1)}{(\theta_2 - \theta'_1)} (r_1 - r_0) + r_0$ , for  $\theta'_1 \leq \theta \leq \theta_2$  -- should read

--  $r = \frac{(\theta - \theta'_1)}{(\theta_2 - \theta'_1)} (r_1 - r_0) + r_0$ , for  $\theta'_1 \leq \theta \leq \theta_2$  --

-- "when" should read --When--

-- "h/h=0.5" should read --h<sub>f</sub>/h =0.5--

-- "h/h=0.5" should read --h<sub>f</sub>/h =0.5--

-- "ratio h/h)" should read --ratio h<sub>f</sub>/h)--

-- "ratio (h/h)" should read --ratio (h<sub>f</sub>/h)--

Respectfully submitted,

/ron anderson/  
Ronald M. Anderson  
Registration No. 28,829